

Build a Better World

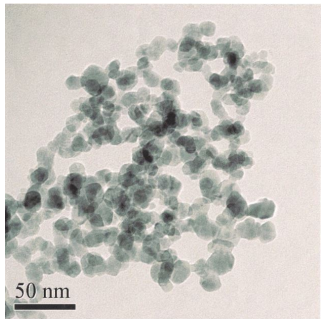
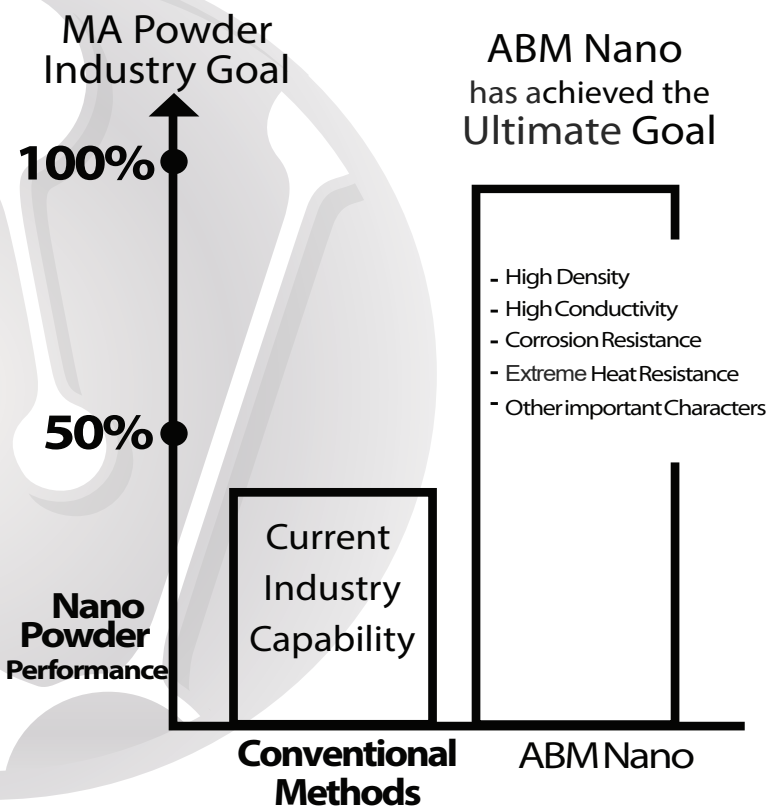
Custom Composition Materials

In principle, the atoms of different elements can combine to form different materials including create new alloys and/or Nanostructures.

We are here to help you bring new materials to the world for new applications.

Please feel free to contact us for your inquiry or any question. Our experienced technical team is dedicated to help you achieve your goal.

ABM Nano Powder Product	
Bi2Te3	Boron Carbide /B4C
Bi2Se3	Silicon Carbide/SiC
Sb2Te3	TaC
Bi2Te2.7Se0.3	MoCu (8,15,30,40%)
Bi0.5Sb1.5Te3	MoSi2
Bi0.4Sb1.6Te3	WC
Cu(2-x)Se	W-Cu
TaFeSb	Fe-Cr
NiCoAlFeCuCrTi	Ni
NiCoAlFeMoCr	Fe3O4
AlLiMgScTi	FeSi
TiC	Nd-Fe-B
ZrC	FeSiC
HfC	MoSiB
VC	Cu-Al2O3
Custom Composition (Create New Materials)	Combine ANY 2 or more materials into Nano



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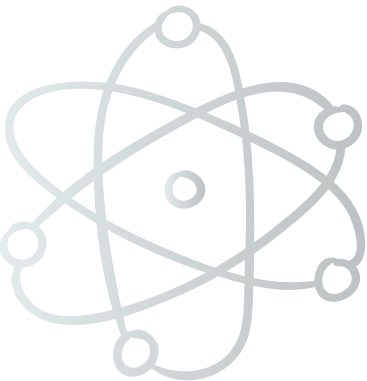


Precision Powder Processing
1-100nm 500nm <3um

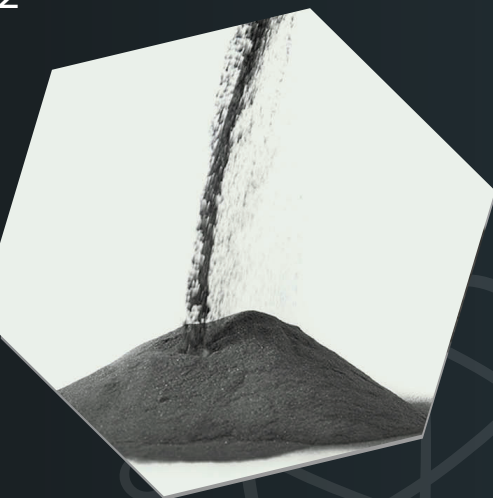
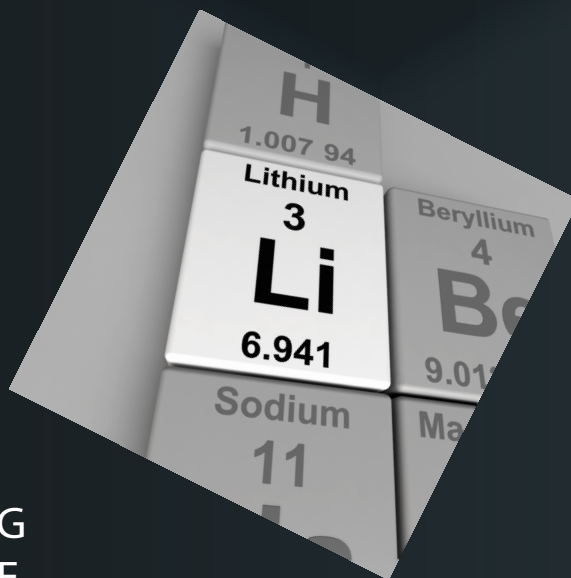
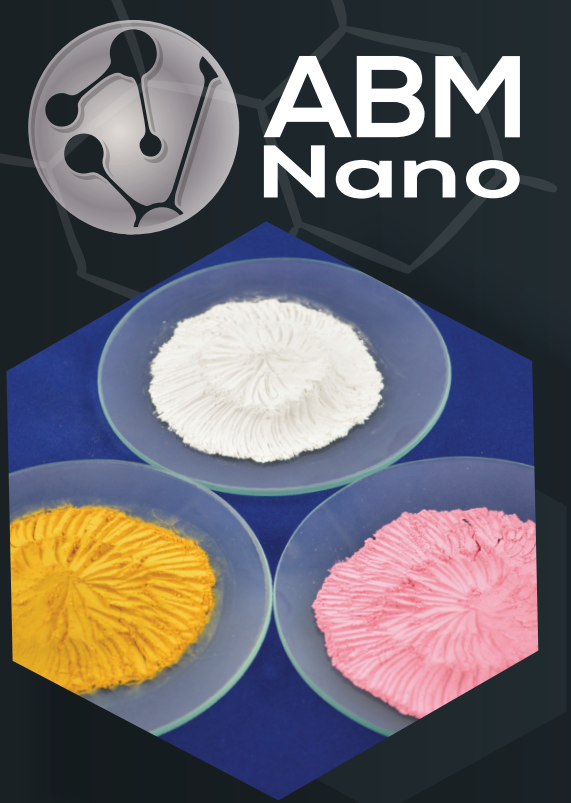
High Performance Nano Powder Manufacturer

Targeting Market

- High Entropy Alloying Powder (HEA)
- Lithium/Sodium Based Battery Materials
- Thermoelectric Materials Powder
- Magnetic Nano Materials
- Custom Composition Materials



Particle Size Reduction
Powder Processing Expert



High Performance Nano Powder Manufacturer

Thermoelectric Materials (TM)

- Bi₂Te₃
- Bi₂Se₃
- Sb₂Te₃
- Bi₂Te_{2.7}Se_{0.3}
- Bi_{0.5}Sb_{1.5}Te₃
- Bi_{0.4}Sb_{1.6}Te₃
- Cu(2-x)Se 0 ≤ x ≤ 0.25
- TaFeSb

Nanostructured TM improve the performance of cooling devices and power generator which directly convert heat to electricity. ABM Nano is proud to provide the best quality Mechanical Alloying (MA) Nano-composite powder to the market for high performance required applications including custom Nano-composition powder. ABM R&D team also offers technical support.

High Entropy Materials

- NiCoAlFeCuCrTi
- NiCoAlFeMoCr
- FeCoNiCrMn

Battery Materials

Lithium or Sodium based Battery Powder

- Lithium lanthanum zirconium oxide (LLZO)
- Lithium titanium oxide (LTO)
- Lithium Nickel Manganese Cobalt Oxide (NMC)

Anode, Cathod and Solid Electrolyte Powder

Particle Size: <50nm <500nm <1um

ABM patented nanotechnology specializes in custom-made materials for various applications, in large volume production

Due to the melting points and other inherent properties of certain materials, achieving desired compositions and properties can be challenging through melting, chemical processes, or conventional powder metallurgy techniques. ABM Nano has developed a patented Mechanical Alloying processing system capable of efficiently producing high-quality micron or nanostructured powders. Our company supports a range of applications, from laboratory R&D small samples to large-scale production.

Powder Metallurgy(P/M) Materials

- MoCu (8, 15, 30, 40%)
- MoSi₂
- WC
- W-Cu
- SiC

Magnetic Materials

- Fe
- Ni
- Fe₃O₄
- FeSi
- Nd-Fe-B
- FeSiC

Other Nano Materials

- Ti₃SiC₂
- MoSiB
- ZrO₂
- Al-SiC
- Al-C
- Cu-Al₂O₃

